

Supersoft X-ray sources. Parameters of stellar atmospheres

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Abstract

ROSAT spectra of 11 supersoft X-ray sources are approximated with theoretical spectra obtained in LTE models for the atmospheres of hot white dwarfs with line blanketing. The confidence intervals of parameters derived from these approximations— T_{eff} , $\log g$, N_{H} , and R_2/d_2 —are determined. The results are compared with predictions for a model with stable/recurrent thermonuclear burning on the white-dwarf surface. © 2003 MAIK "Nauka/Interperiodica".

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